

TITLE
TRANSFORMED YEAST STRAINS AND THEIR USE FOR
THE PRODUCTION OF MONOTERMINAL AND
DITERMINAL ALIPHATIC CARBOXYLATES

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ABSTRACT

The present invention comprises a bioprocess for converting aliphatic compounds, of the form $\text{CH}_3(\text{CH}_2)_n\text{CH}_3$ where $n=4$ to 20, to monoterminal and diterminal carboxylates using genetically-engineered organisms. This invention relates to a process for expressing alkane hydroxylating activity in genetically-

10 engineered yeasts *Pichia pastoris* and *Candida maltosa*. In addition, the present invention describes a process to produce genetically transformed *Candida maltosa* strains that have enhanced cytochrome P450 activity and/or gene disruptions in the β -oxidation pathway.

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